

REMARKS

Claims 1-30 were previously pending in this patent application. Claims 1-30 stand rejected. Herein, Claims 1, 11, and 21 have been amended. No new matter has been added by these amendments. Accordingly, after this Amendment and Response, Claims 1-30 remain pending in this patent application. Further examination and reconsideration in view of the claims, remarks, and arguments set forth below is respectfully requested.

35 U.S.C. Section 103(a) Rejections

Claims 1-30 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Robbins et al., U.S. Patent Application Publication No. US2002/0198657 (hereafter Robbins), in view of Friedman, WO 01/050151 A1 (hereafter Friedman). These rejections are respectfully traversed.

Independent Claim 1 recites (as amended):

A method for delivering Virtual Reference Station (VRS) data derived by a VRS network processor at a VRS control station for a designated location to a mobile position determination unit with a terrestrial communications link, said method comprising:

creating a data message comprising pseudorange data derived for said designated location and pseudorange corrections for a designated region surrounding said designated location;

sending said data message via a cellular telephone connection between from said VRS control station and to a base station located in the designated region surrounding said designated location; and

transmitting said data message from said base station to a mobile position determination unit using a radio transmitter independent of said cellular telephone connection, wherein said base station may be moved about within said designated region while performing said transmitting.

(emphasis added)

It is respectfully asserted that the Robbins reference does not anticipate or render obvious the present invention as recited in Independent Claim 1. In particular, Independent Claim 1 recites the limitation, "transmitting said data

message from said base station to a mobile position determination unit using a radio transmitter independent of said cellular telephone connection, wherein said base station may be moved about within said designated region while performing said transmitting, " (emphasis added). As the Office Action indicates on Page 3, "...Robbins does not specifically teach using a radio transmitter independent of said cellular phone connection." Applicant further submits that the teachings of the Robbins reference do not anticipate or render obvious, "transmitting said data message from said base station to a mobile position determination unit using a radio transmitter independent of said cellular telephone connection," as is recited in Claim 1.

Additionally, Independent Claim 1 recites the limitation, "transmitting said data message from said base station ... wherein said base station may be moved about within said designated region while performing said transmitting," (emphasis added). However, Applicant submits that the Robbins reference is silent with respect to a base station, "...wherein said base station may be moved about within said designated region while performing said transmitting," as is recited in Claim 1. It is argued in the Office Action that a GSM network provides the base station recited in Claim 1 (see page 3 of the Office Action). However, per Applicant's understanding, such a GSM base station as cited in the Office Action is commonly known to be affixed to a particular location when transmitting. Therefore, Applicant respectfully submits that the invention as recited in Claim 1 is neither anticipated nor rendered obvious by the Robbins reference.

The Applicant submits that the Friedman reference does not cure the deficiencies noted above with the Robbins reference. Specifically, the Friedman

reference, like the Robbins reference fails to teach or suggest, "transmitting said data message from said base station to a mobile position determination unit using a radio transmitter independent of said cellular telephone connection, wherein said base station may be moved about within said designated region while performing said transmitting," as recited in Claim 1. The Friedman reference does disclose the use of a Bluetooth radio transmitter to communicate location information to a cellular telephone, and does use the term "base station." (see, e.g., page 13, lines 17-21). However, Applicant submits that the Friedman reference is silent with respect to a bluetooth base station that is combined with a cellular telephone (GSM) base station in such a way as to receive location information from the cellular phone base station, as proposed by the Office Action response.

Instead, the base station(s) taught by the Friedman reference are pre-programmed with fixed location information via a special purpose computer or personal digital assistant (not via a GSM base station) or else are allocated a unique identification number. The Friedman reference specifically teaches that the fixed location information of a Bluetooth base station is location information such as: the latitude and longitude of the base station; the street address of the base station; or a unique identification number associated with a street address, floor number, or room number of the Bluetooth base station. See, e.g., page 14 line 14 through page 15 line 13 of Friedman. Because of this, Applicant respectfully submits that the Friedman reference actually teaches away from the present invention by teaching a base station which transmits fixed location or identification information associated with its own location, rather than "transmitting said data message...", wherein the data message is a "...data message comprising pseudorange data derived for said designated location and

pseudorange corrections for a designated region surrounding said designated location," as recited in Claim 1 of the present invention. Therefore, Applicant respectfully submits that the invention as recited in Claim 1 is neither anticipated nor rendered obvious by the Robbins reference or the Freidman reference, either alone or in combination.

Additionally, for the above cited reasons, the Applicant submits that it would not be obvious to combine the inventions of Robbins and Friedman in the manner suggested by the Office Action, as broadcasting the fixed data of Friedman would cause the invention of Robbins not to function.

Moreover, Applicant submits that the Friedman reference, like the Robbins reference, fails to teach or suggest, "transmitting said data message from said base station to a mobile position determination unit using a radio transmitter independent of said cellular telephone connection, wherein said base station may be moved about within said designated region while performing said transmitting," as recited in Claim 1. Applicant instead submits that Freidman reference is silent with respect to a base station, "wherein said base station may be moved about within said designated region while performing said transmitting," as recited in Claim 1. Moreover, moving a base station of Friedman, would seem to be in conflict with Friedman's teaching of providing emergency localization when insufficient satellites are visible (see e.g., the Abstract and page 9 lines 17-21 of Friedman). Therefore, Applicant respectfully submits that the invention as recited in Claim 1 is neither anticipated nor rendered obvious by the Robbins reference or the Freidman reference, either alone or in combination, and that Claim 1 is in condition for allowance.

Dependent Claims 2-10 are dependent on allowable Independent Claim 1, which is allowable over the combination of Robbins and Friedman. Hence, it is respectfully submitted that Dependent Claims 2-10 are patentable over the combination of the Robbins reference in view of the Friedman reference for the reasons discussed above.

With respect to Independent Claims 11 and 21, it is respectfully submitted that Independent Claims 11 and 21 recite similar limitations as in Independent Claim 1. In particular, Independent Claims 11 recites the limitation, "a moveable base station ... for transmitting said data message using a radio transmitter independent of said cellular telephone connection, wherein said moveable base station may be moved about within said designated region while transmitting said data message", while Independent Claim 21 recites the limitation, "transmitting said data message from said base station ... using a radio transmitter independent of said cellular telephone network, wherein said base station may be moved about within said designated region while performing said transmitting". Robbins does not disclose the cited claim limitations of Independent Claims 11 and 21. Therefore, it is respectfully submitted that Independent Claims 11 and 21 are patentable over the combination of the Robbins reference in view of the Friedman reference and are in condition for allowance for reasons discussed in connection with Independent Claim 1.

Dependent Claims 12-20 and Dependent Claims 22-30 are dependent on allowable Independent Claim 11 and 21, respectively, which are allowable over the combination of the Robbins and Friedman references. Hence, it is respectfully submitted that Dependent Claims 12-20 and Dependent Claims 22-

30 are patentable over the combination of the Robbins reference in view of the Friedman reference for the reasons discussed above.

CONCLUSION

It is respectfully submitted that the above claims, arguments, and remarks overcome all rejections. All remaining claims (Claims 1-30) are neither anticipated nor obvious in view of the cited references. For at least the above-presented reasons, it is respectfully submitted that all remaining claims (Claims 1-30) are in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Respectfully submitted,

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Dated: _____

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